

```
gatctctcct gcaatcctca tcacacagca aacccaaacc gcgagcggaa tcctcagcct
gctgagagag cctgagacca agagggggat tottttttgg ttattgacga tggcgagcgc
cgacaagaag gatcaggagc cgacgggagct cagggcgccg gagatcacgc tgtgcgccaa
cagctgcgga ttcccgggca acccggccac gcagaacctc tgccagaact gcttcttggc
ggccacggcg tccacctcgt cgcggtcttc tttgtcgtca ccggtgctcg acaagcagcc
gccgaggccg gcggcgccgc tggttgagcc tcaggctcct ctcccaccgc ctgtggagga
gatggcctcc gcgctcgca cggcgccggc gccggtcgcc aagacgtcgg cgggtaaccg
gtgctccagg tgccggaagc gtgtcggcct caccgggttc cggtgccggg gccggcacct
gttctgcggc gaacaccggt actccgaccg ccacggctgc agctacgact acaagtcggc
ggcaagggac gccatcgcca gggacaacc cgggtggtgcgc gcggccaaga tcgttaggtt
ctgagaggca aacaaaatta aaaaaaaaaat ctactgtttt agcaagaaat ggagaaaaaa
attgggaatt gaaggtgtgg atgttattat tatgctgttc tcttctcgca attgtttttc
cctttttatt ctttttaatt gcaaacggga ggataagtgg tggaaaagga atagtgtaac
aataatggtg atgtgaggtg gttgaggga aaagaatcga agaacaaaaa aaaaaaaaaa
aaaa
```

Figure 1

BEST AVAILABLE COPY

```

1  gatctctcctgcaatcctcatcacacagcaaaacccaaaccgagcggaatcctcagcctg
                                     M A Q R 4
62  ctgagagagcctgagaccaagagggggattcttttttggttattgacgatggcgagcgc
   D K K D Q E P T E L R A P E I T L C A N 24
122 gacaagaaggatcaggagccgacggagctcagggcgccggagatcacgctgtgcgccaac
   S C G F P G N P A T Q N L C Q N C F L A 44
182 agctgcggtattcccgggcaacccggccacgcagaacctctgccagaactgcttcttggcg
   A T A S T S S P S S L S S P V L D K Q P 64
242 gccacggcgctccacctcgctcgccgtcttctttgtcgtcaccgggtgctcgacaagcagccg
   P R P A A P L V E P Q A P L P P P V E E 84
302 ccgaggccggcgccgctgggtgagcctcaggctcctctcccaccgcctgtggaggg
   M A S A L A T A P A P V A K T S A V N R 104
362 atggcctccgctcgcgcgacggcgccggcgccgggtcgccaagacgtcggcggtgaaccgg
   C S R C R K R V G L T G F R C R C G H L 124
422 tgctccagggtgccggaagcgtgtcgccctcaccgggttcgggtgccggtgccccacct
   F C G E H R Y S D R H G C S Y D Y S S A 144
482 gttctgcggcgaacaccgggtactccgaccgccacggctgcagctacgactacaagtcggc
   A R D A I A R D N P V V R A A K I V R F 164
542 ggcaagggacgccatcgccagggacaacccgggtggtgcgcgcgcccaagatcgttaggttc
   *
602 tgagaggcaaaacaaaattaaaaaaaaaatctactgttttagcaagaaatggagaaaaaaa

662 ttgggaattgaaggtgtggatgttattattatgctgttctctctcgcaattgtttttcc
722 ctttttattctttttaattgcaaacgggaggataagtgggtggaaaaggaatagtgttaaca
782 ataatggtgatgtgaggtggttgagggaaaaagaatcgaagaacaaaaaaaaaaaaaaaa
842 aaa

```

Figure 2

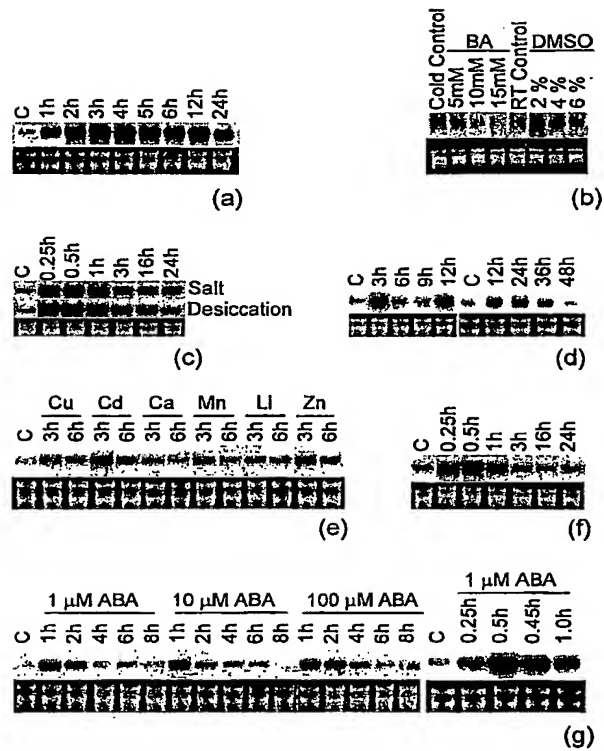
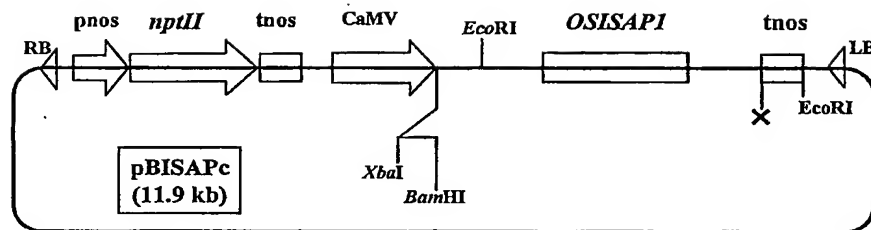


Figure 3.

**Figure 4**

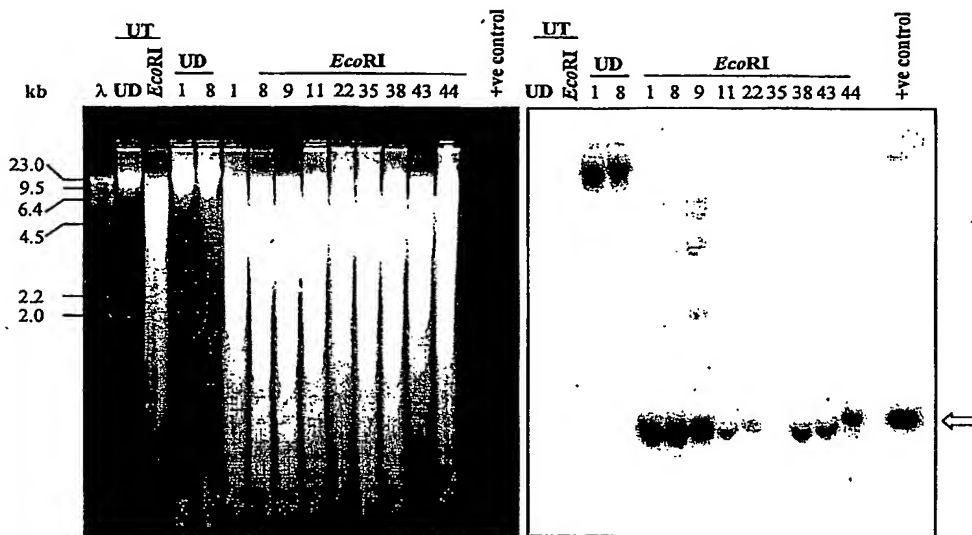


Figure 5

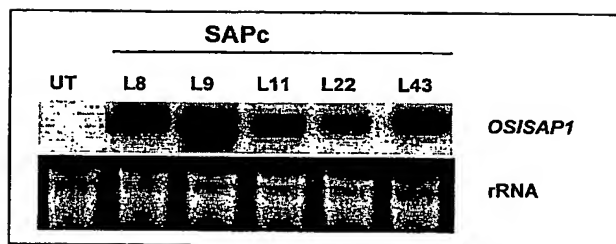


Figure 6

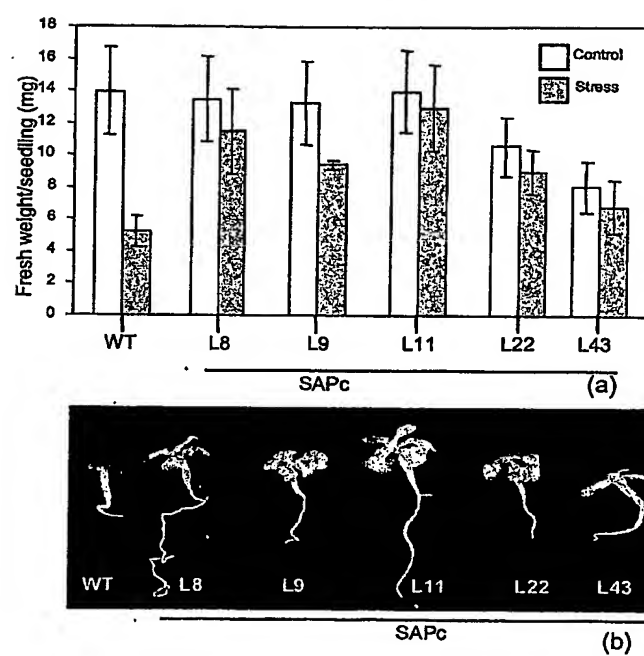


Figure 7

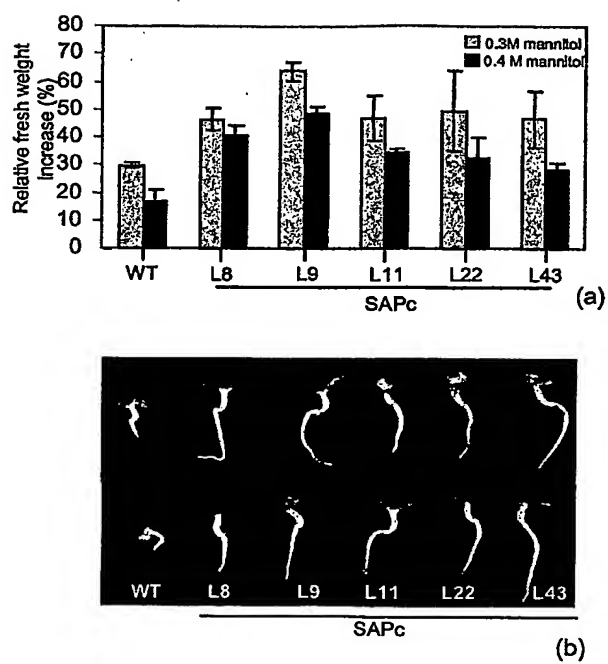


Figure 8

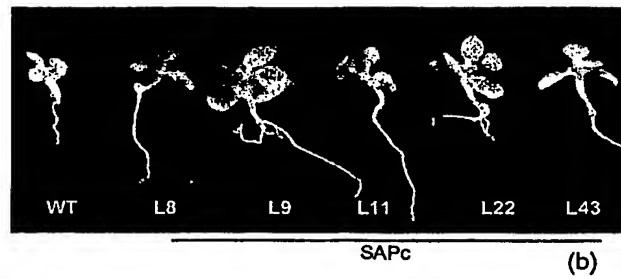
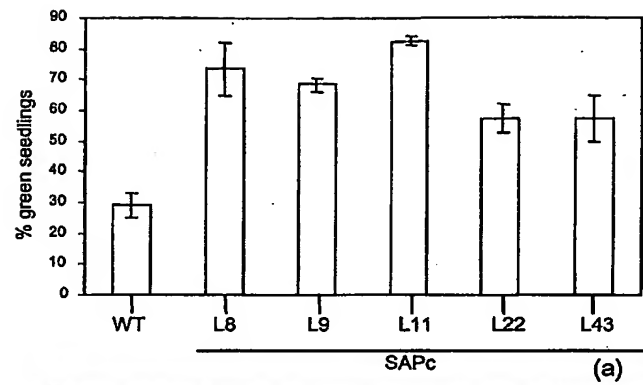


Figure 9

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☒ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.